



```

chain nodes :
  12 13 14 15 16 17 18 19 20 21 23 24
ring nodes :
  1 2 3 4 5 6 7 8 9 10 11
chain bonds :
  1-8 2-21 4-23 6-16 8-20 9-12 9-17 10-13 10-19 11-14 11-18 13-24 14-15
ring bonds :
  1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-11 8-9 9-10 10-11
exact/norm bonds :
  1-2 1-6 1-8 2-3 3-4 4-5 4-23 5-6 6-16 7-8 7-11 8-9 9-10 9-12 9-17 10-11 10-13
  13-24
exact bonds :
  2-21 8-20 10-19 11-14 11-18 14-15

```

G1:H,O,S,N,Cl,Br,F,I

```

Match level :
  1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
  12:CLASS 13:CLASS 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:CLASS 20:CLASS
  21:CLASS 23:CLASS 24:CLASS

```